



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CAPSTAR TX, LLC
7136 S. YALE AVENUE
SUITE 501
TULSA OK 74136

Son Nguyen

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 52474

Call Sign: WMEQ

License File Number: BMML-20190329ACG

Grant Date: May 09, 2019

This license expires 3:00 a.m.
local time, December 01, 2020.

This license is granted from a method of moments proof.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:45 AM	4:45 PM	Jul.	4:30 AM	7:45 PM
Feb.	7:15 AM	5:30 PM	Aug.	5:15 AM	7:15 PM
Mar.	6:15 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:30 PM	Nov.	7:00 AM	4:45 PM
Jun.	4:15 AM	8:00 PM	Dec.	7:45 AM	4:30 PM

Name of Licensee: CAPSTAR TX, LLC

Station Location: MENOMONIE, WI

Frequency (kHz): 880

Station Class: B

Antenna Coordinates:

Day

Latitude: N 44 Deg 50 Min 44 Sec
Longitude: W 91 Deg 50 Min 45 Sec

Night

Latitude: N 44 Deg 50 Min 44 Sec
Longitude: W 91 Deg 50 Min 45 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 10.0 Night: 0.210

Antenna Input Power (kW): Day: 10.0 Night: 0.226

Antenna Mode: Day: ND Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 6.9 Night: 2.13

Resistance (ohms): Day: 210 Night: 50

Non-Directional Antenna: Day

Radiator Height: 112.5 meters; 118.8 deg

Theoretical Efficiency: 325 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN
1	None

Night:

Tower No.	ASRN	Overall Height (m)
1	1035641	
2	1035642	
3	1035643	
4	1035644	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 160.01
Standard RMS (mV/m/km): Night: 168.34
Augmented RMS (mV/m/km):
Q Factor: Night: 10

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	120.0
2	1.6010	137.300	90.0000	113.500	0	120.0
3	1.2070	-51.100	180.0000	113.500	0	120.0
4	0.6770	102.700	270.0000	113.500	0	120.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-134.3	0.664
2	0	1
3	174.1	0.836
4	-31.8	0.615

Antenna Monitor: GORMAN REDLICH CMR

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried copper radials about the base of each tower extending up to 85.21 m in length except where terminated by property boundaries or where intersecting radials are shortened and bonded.

Special operating conditions or restrictions:

- 2 The licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

*** END OF AUTHORIZATION ***